Columbia and Snake TMDL – Time and Resource Proposal
Draft MLS, BC and RP - October 24, 2006

This is a proposal that Ben, Rick and I developed. The assumptions are:
- We have a kick off meeting with states and tribes before we start work to run our plan by them
- Ben is our lead EPA modeler on this work effort
- We have identified necessary contract funding to develop a technically strong and defensible TMDL. The total funding estimate is 375 – 250K.
- We will need approximately $100,000 to start contracting work by Feb.1, 2007
- Data compilation starts March 1 as first key task.
- We have a TMDL staff person assigned on this effort.
- We are concerned about the effect of the Nov. 2008 election.

Proposed Time Frame
Technical work issue – complete by December 2007
Preliminary Draft TMDL - March 2008
Draft TMDL for public review - July 2008
Final TMDL – December 2008

Main issue – how will standards changes affect TMDL allocations?
Secondary issue – currency of TMDL data baseline

Key Tasks:
Compile the following data for the period 2000-2006 – 25 – 50K
– Complete by May 2007
- USGS daily flow measurements for mainstem upstream boundaries and tributaries (CA border, Brownlee tailrace, Dworshak tailrace, Clearwater at Orofino)
- Temperature measurements for mainstem upstream boundaries and tributaries
- Temperature data for some locations within model domain (e.g., dam tailraces) if model is to be re-evaluated/calibrated
- NPDES point source effluent temperature data

Build New Data into RBM10 Model File Structure – 100 -150K
– Complete by July 2007
- Flow and temperature pre-files and model advection files
- Weather files
- Model calibration files (select mainstem temperatures)

Re-evaluate and Calibrate Model using Additional 2000-2006 Data
– Concurrent with above task
- Trial and Error Runs with Kalman filter
- Report writing
- Repeat peer review

Run RBM10 Simulations for the TMDL Baseline - 25 – 50k
– Complete by September 2007
- Site Potential and Current River Simulations
- Point Source Impact Simulations
- Document Model Application Details
- Output plots and statistics
- Presentation Materials

Run RBM10 Simulations for Individualized Dam Allocations
- Concurrent with above task
- Trial and Error Runs to Achieve Standards
- Document Model Application Details
- Output plots and statistics

Manage Public Process 25 – 50k
- Public workshops
- Manage public comment

Write Preliminary Draft, Draft and Final TMDL – 50 – 75k
- Preliminary Draft by March 2008
- Draft by July 2008
- Final by December 2008